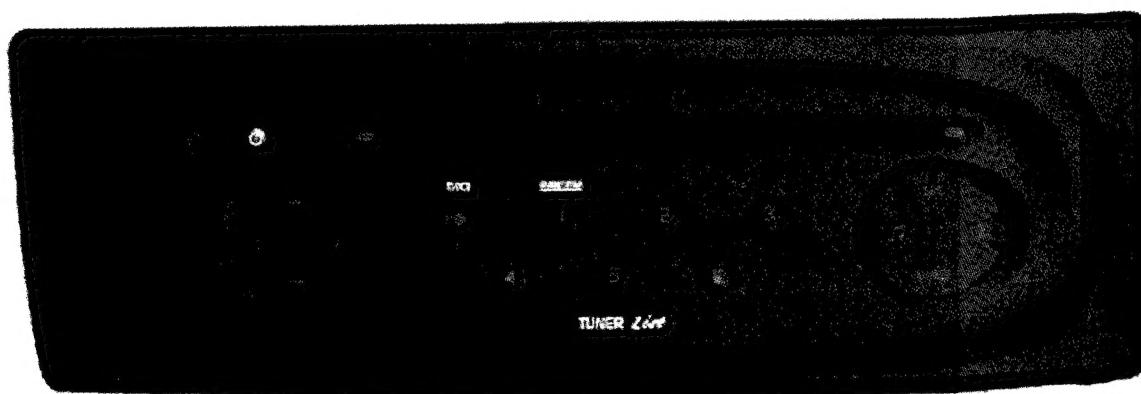
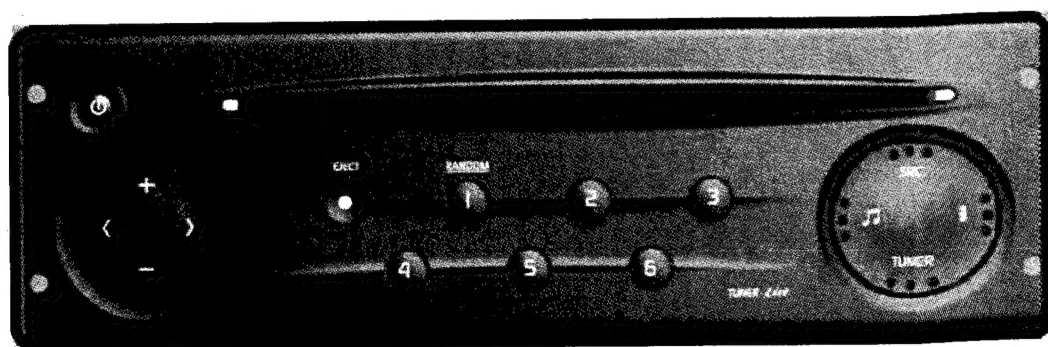


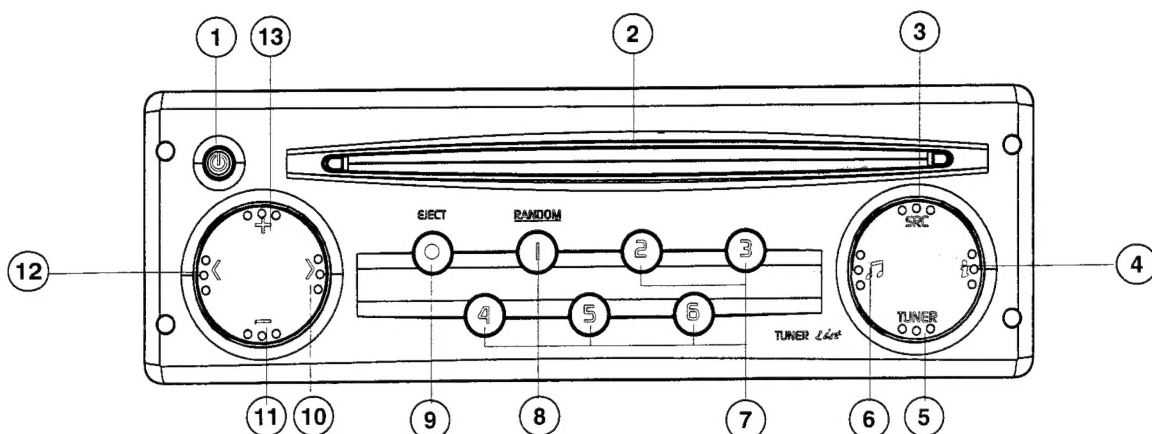
Service Manual



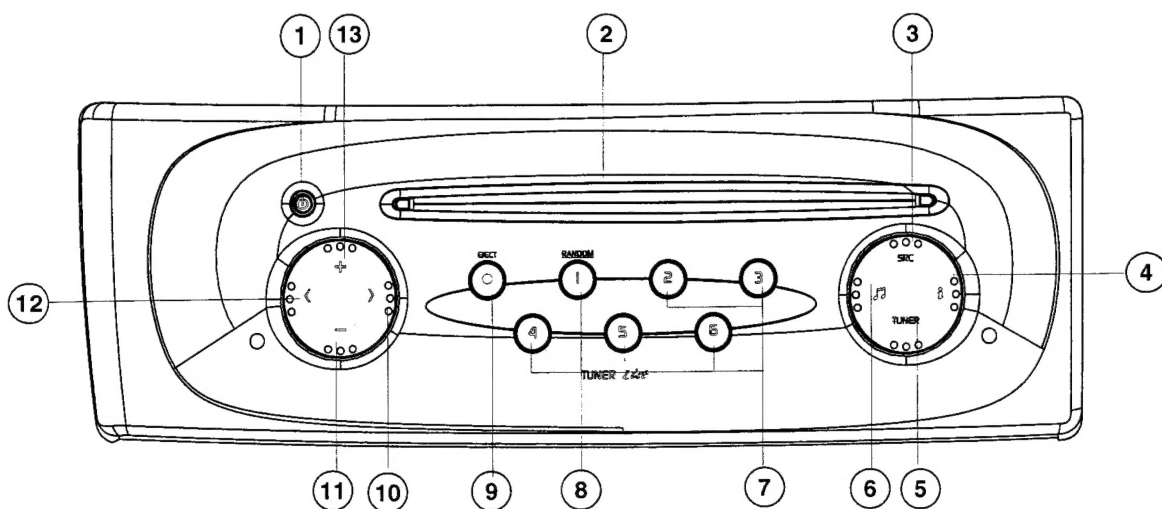
Contents	page
Front-page	1
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Radio information	6
Special fonctions	7
Checks and alignements	8
Power amplifier part schematic diagram	9
CD part schematic diagram	10
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Main PWB layout side A and B	12
Sound process part schematic diagram	13
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Exploded view - Mechanical partslist	18
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CONTROLS

Front



22DC279/62
22DC279/62F
22DC279/62Z

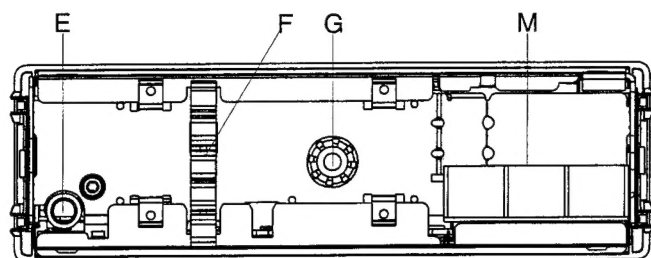


22DC279/62P
22DC279/62R
22DC279/62T

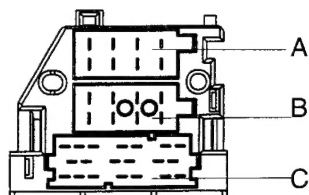
- 1 ON / OFF
- 2 DISK OPENING
- 3 SOURCE
- 4 INFO
- 5 TUNER
- 6 BASS/TREBLE - BAL/FADER
- 7 PRESET 2,3,4,5,6
- 8 PRESET 1 / RANDOM
- 9 EJECT DISK BUTTON
- 10 SEARCH UP
- 11 VOL -
- 12 SEARCH DOWN
- 13 VOL +

22DC279/62...

CONNECTIONS

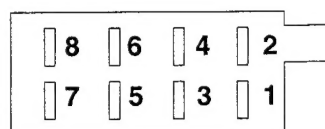


Top view M



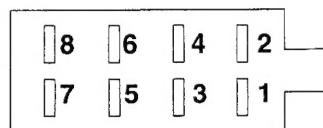
- A1 Speed
- A2 N.C
- A3 Tel mute
- A4 Power permanent supply
- A5 Remote antenna +
- A6 External illumination +
- A7 Non power ignition supply
- A8 Power ground

A : POWER SUPPLY



- B1 Rear right +
- B2 Rear right -
- B3 Front right +
- B4 Front right -
- B5 Front left +
- B6 Front left -
- B7 Rear left +
- B8 Rear left -

B : LOUDSPEAKER SUPPLY



- C1-1 Ext SDA
- C1-2 Ext SCL
- C1-3 Ext MRQ
- C1-4 NC
- C1-5 Radio on
- C1-6 Ground

Yellow
Connector

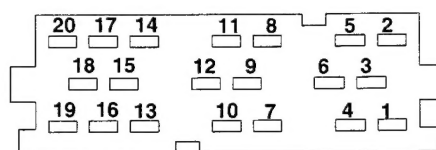
- C2-7 NC
- C2-8 NC
- C2-9 NC
- C2-10 NC
- C2-11 NC
- C2-12 NC

Green
Connector

- C3-13 CD UART TXD
- C3-14 CD UART RXD
- C3-15 CD UART Gnd
- C3-16 + 12v PERMANENT
- C3-17 Remote antenna +
- C3-18 SPDIF input line
- C3-19 SPDIF Gnd
- C3-20 SPDIF Gnd

Blue
Connector

C : Line - out GND



C3 : Digital CD changer (UART + SPDIF)

E Aerial plug

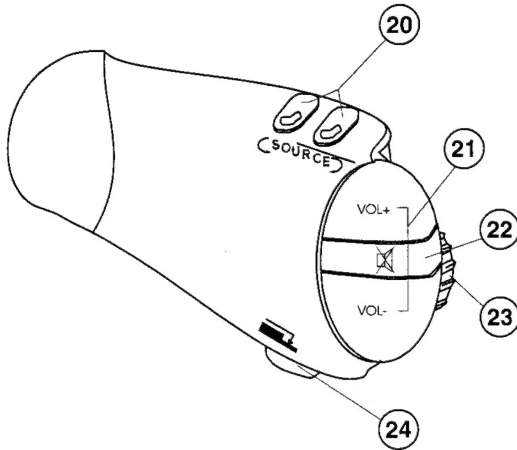
E : AERIAL PLUG SLIDE IN

F Fastening cable

G : Buffer mounting

22DC279/62...

REMOTE CONTROL



20	Change waveband/source	
21	Vol , Bass, Treble, Balance, Fader + and - when corresponding function activated	
22	In code entry mode: SP : Validation digit Sec Code LP : Validation Sec Code	All others modes: Mute / Demute
23	In code entry mode: Selection digits Sec Code	Changing preset / Track selection
24	In code entry mode: SP : Validation digit Sec Code LP : Validation Sec Code	In radio mode: SP : search UP LP : Starts Autostore

SP : Short press

LP : Long press (>2s)

TECHNICAL DATA

GENERAL

Power supply : from 10.5 to 16V DC
Dimensions : 180x150x51 mm

FEATURES

FM-LW-MW-SW-RDS (EON).

Carequalization function : yes
Dolby Noise Reduction : yes
Music Search System : yes
Remote control : yes
Remote display : yes
Security code : yes
Speed dependant volume : yes
Telephone mute : yes

RADIO

LW : 144-288 KHz
MW : 531-1629 KHz
FM : 87.5-108 MHz
Sensitivity 26dB S/N : <40 μ V (LW)
: <30 μ V (MW)
: 1,8 μ V (FM)
Limitation α -3dB : 4,5 μ V +/- 3 μ V

CD

CD mechanism : CDM-M3/4.4

AMPLIFIER

Output power : 4x15 W / 4 Ω (THD = 10%)
Fader control : \geq 40 dB
Balance control : \geq 40 dB
Source separation : \geq 60 dB
Input sensitivity (CD in) : 150 mV \pm 2 dB

22DC279/62...

RADIO - EXTRACT OF THE DFU

You are the owner of a Renault World Radio Receiver, a sophisticated multi-band radio enabling you access many frequencies and wave bands from all over the world.

Your radio is factory set for the country of purchase, however if you travel abroad with your vehicle to another continent it is advisable to re-set your radio to that continent's radio frequency range.

Caution : Before commencing with this sequences it is important to ensure that you have the preset code for your radio.

To select a continent

1. Turn off the set .
2. Press keys 2 and 5 simultaneously, whilst pressing these keys switch on the set.
3. Wait for 2 minutes until prompted to enter the set code.
4. Enter the set code
5. Use the thumbwheel on the satellite to access the desired continent.


Others

America

Japan

Asia

Arabia

6. When you have selected the desired continent long press .


Then continue the sequence to select curves (auto equalisation).

The curve sequence is dependent on the type of car, refer to your car manual or dealer for the correct curve number.


Using the thumbwheel select the desired curve.

Curve	0	=OFF
	1	=Empty
	2	=Clio or similar
	3	=Megane or similar
	4	=Laguna or similar
	5	=Safrane or similar

Except if the vehicle manual recommends an other selection.

Long press  to leave the mode.

7. Select REAR ON/OFF (loadspeakers).

Press  to validate, after this procedure the set will play normally.

22DC279/62X

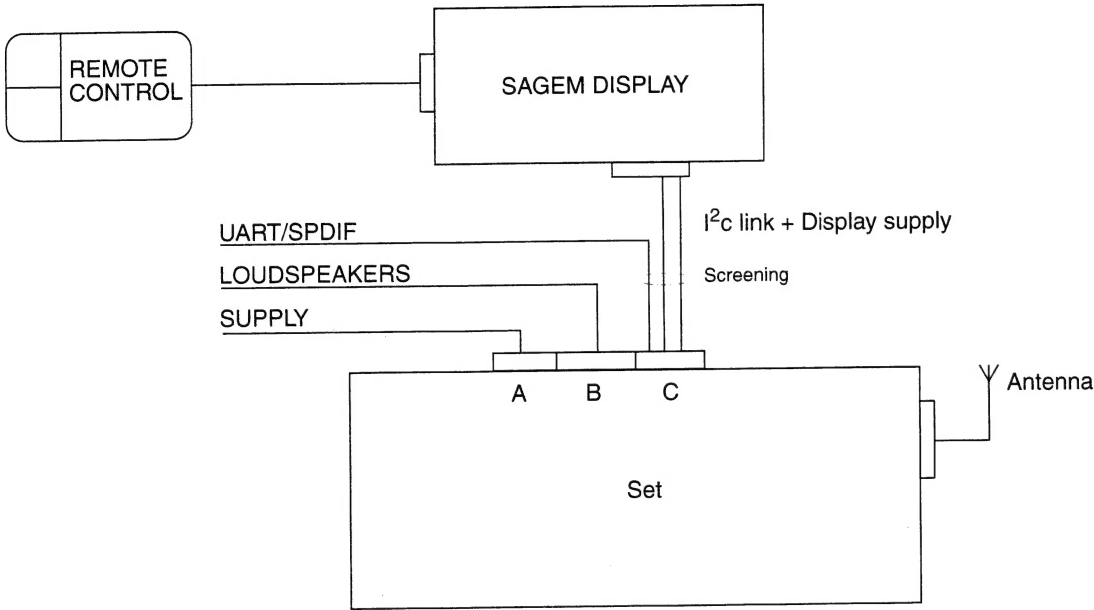
This test can be aborted at any time by switching the set OFF.

SPECIAL FONCTIONS

These sets are parts of a system, composed of the following parts:

- 1)- The set 22DC279/62 or /62F /62P /62R /62T /62Z.
- 2)- A remote control + cable.
- 3)- A remote SAGEM display (A1+ display)
- 4)- A cable link between the set (connector D) and the display.

-IN CASE YOU NEED PARTS OF THIS SYSTEM, PLEASE CONTACT LOCALLY RENAULT TO GET INFO ABOUT THESE PARTS.



2 - Keyboard test

Starting the test: press Pr3 and ON.

"T" is displayed to request keyboard test. For each key pressed, the number of the pressed key appears, according to the table shown below. When all 15 keys have been pressed, "TEST OK" message is displayed.

number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
key	+	>	-	<	MSS RANDOM	Pr 1	Pr 2	Pr 3	Pr 4	Pr 5	Pr 6	SRC	TUNER		

ESD



WARNING

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically. When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools also at this potential.

ESD equipment available:

Anti-static table mat large 1200X650X1.25mm	4822 466 10953
small 600X650X1.25mm	4822 466 10958
Connection box (1Mohm)	4822 395 10223
Extendible cable (to connect wrist band to connection box)	4822 320 11307
Connecting cable (to connect table mat to connection box)	4822 320 11305
Earth cable (to connect any product to mat or box)	4822 320 11308
Complete kit ESD3 (combining all above products)	4822 310 10671
wristband tester	4822 344 13999

This set is protected by a security code. **THE CODE CAN ONLY BE ENTERED VIA THE REMOTE CONTROL.**

Entering the code:

-) Press the On/Off key to switch on the set. 0000 will appear on the display.
-) To select the four digits of the code:
 - Adjust the flashing digit with the thumbwheel on the remote control.
 - Press the [22] key or [24] key on the remote control to change the digit.
-) Press the [22] key or [24] key for at least 2 seconds to validate the code. When the code is activated a bleep will be heard.

Example : you want to enter the code 7637

	Turn the thumbwheel Press [22] or [24]	Turn the thumbwheel Press [22] or [24]	Turn the thumbwheel Press [22] or [24]	Turn the thumbwheel Press [22] or [24]	Press [22] or [24] for at least 2 seconds
0000	7000	7600	7630	7637	Last heard frequency

CHECKS AND ALIGNEMENTS

For general test instruction, please refer to the manual “

Current and voltage

1) Supply voltages - SET OFF-

SET OFF	Voltage	Total current +Acc ON	Total current +Acc OFF	µP supply pin 30	µP V-LOW pin 64
Acc supply	+12.6V	< 3mA	not relevant	Min 4,8V Max 5,2V	Max 0,8V
Perm Supply	+12.6V	< 2mA	<2 mA		

2) Supply voltage - SET ON-

Reset µP pin 25	5V supply TDH3608TH pin 15		V-LOW µP pin 64		8,5V TDA3608TH pin 4		5V TDA3608TH pin 5		EEPROM supply pin 8	
Max 0,8V	min 4,8V	max 5,2V	min 0,8V	max 5,2V	min 8V	max 9V	min 4,8V	max 5,2V	min 4,8V	max 5,2V

CDSP Digital supply		CDSP analog supply	
min 3.1V	max 3.5V	min 3,1V	max 3,5V

Consumption	FM	CD	FM + 4 x 5 W	FM + 4 x 15 W	FM + 4 x 17 W
DC 259/62	500 mA	700 mA	5.0 A	8.0 A	
DC 259/62L	700 mA	900 mA	5.0 A		10.0 A
Limits	+/- 200 mA	+/- 200 mA	+/- 500 mA	+/- 1 A	+/- 1 A

3) Reference oscillator frequencies

Devices	TMP93PW44DF pin 22 & 23	SAA1305T pin 14 &15	SAA7708
Frequency	14,74 MHz	32,768 Khz	11,289 Mhz
Cristal Accuracy	+/- 30 PPM	+/- 15 %	+/- 60 PPM

Checks:

1) FM

FM mute	98 MHz 1mV	output at load resistor R & L = 775 mV = REF
	no signal	output should be < -24 dB (REF - 24 dB)

Limiting point α-3dB	RANGE	INPUT	NOMINAL	MIN	MAX
	98 Mhz	1Khz	5 µV	3 µV	8 µV

Search levels Input 98 MHz	Min : 10 µV	Nom : 18 µV	Max : 25 µV
----------------------------	-------------	-------------	-------------

2) AM

Sensitivity at 26dB S+N / N	162 khz	m = 30 %	1 khz	< 38 µV
	1053 khz			< 30 µV

No alignment is needed for radio part. The tuner module is pre-aligned in the factory. Dolby alignment, crosstalk alignment and FM DC level curve learning procedure are performed via a special equipment and software, not yet available in Service. Some values are stored in the EEprom. The EEprom available in service will contain mean values, that could affect slightly the performance of the set. It is the only solution until further notice. Consequence: If you change the tuner module, change also the EEprom.

3) CD part

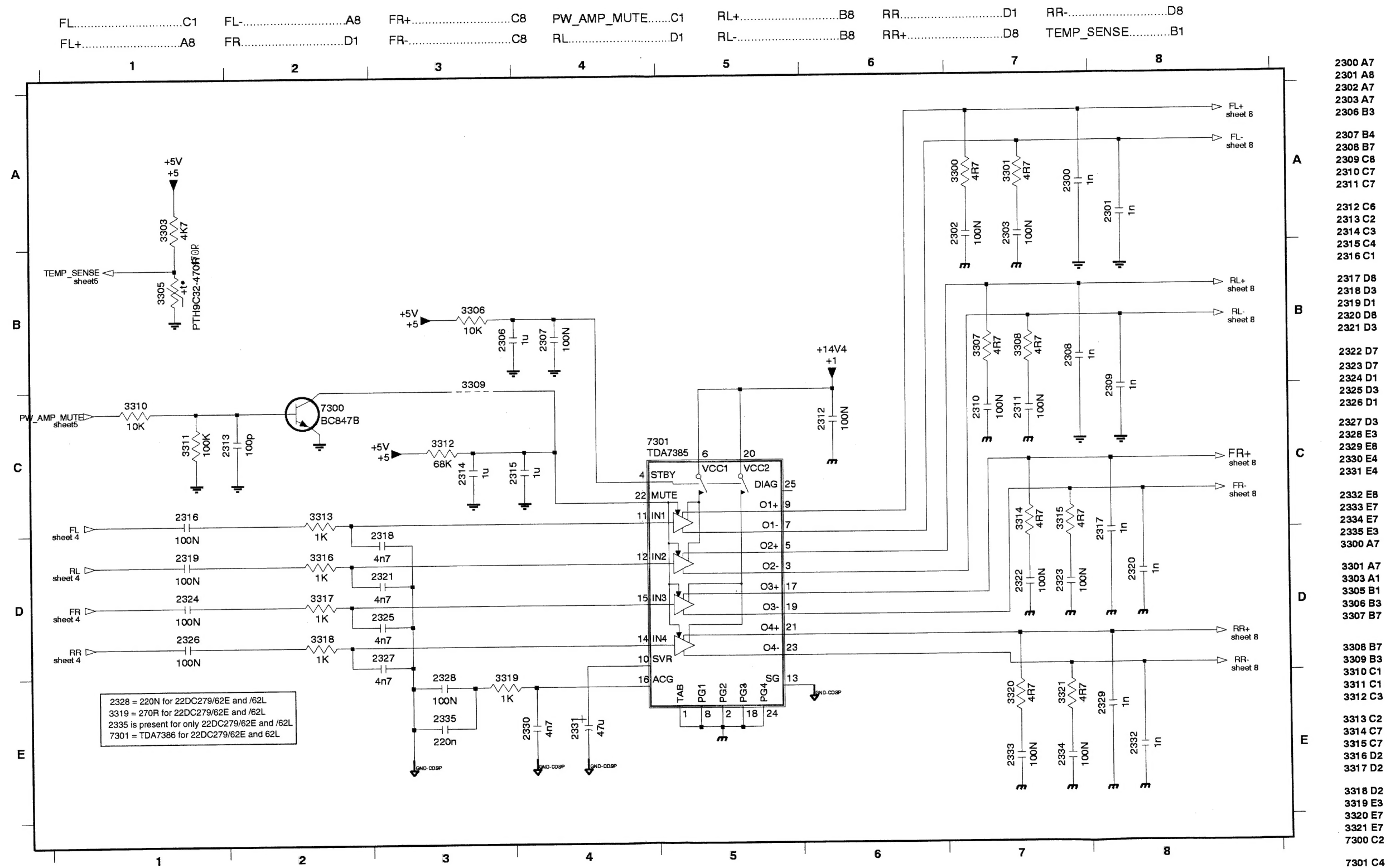
Test CD	Test	Result
Eccent-music 150um 4822 397 30279	Insert disk and play track 01	No failure
Vertical deviation 4822 397 30282	Check loading, display of number of tracks and total time. Select track no 9 time 00.20 listen to the disk during 4 seconds	No electrical or mechanical noise
Sub chassis VII A 7104 099 28350	Check loading, display of number of track and total time listen to track 01 diring 5 seconds.	Good sound quality and no noise.
	Track 02 check left and right channel.	No failure.
	Track 8 time 00.20 listen to disk during 10 seconds.	Good quality, no jump and no noise.
Commercial 8 cm CD	Check playability.	No failure.

Test CD	Test : CROSS-TALK		Result
Audio signal disk 1 4822 397 30184	Compression Off	Crosstalk track 67 and 71	Crosstalk < -65dB
	Compression On		Crosstalk < -60dB (comp 1 by default)
Test CD	Test: TOTAL HARMONIC DISTORTION		Result
20Khz filter 7104 087 04981	Compression Off	track 67 and 71	Distortion < 0.3 %
	Compression On		Distortion < 10%

Signal to noise ratio

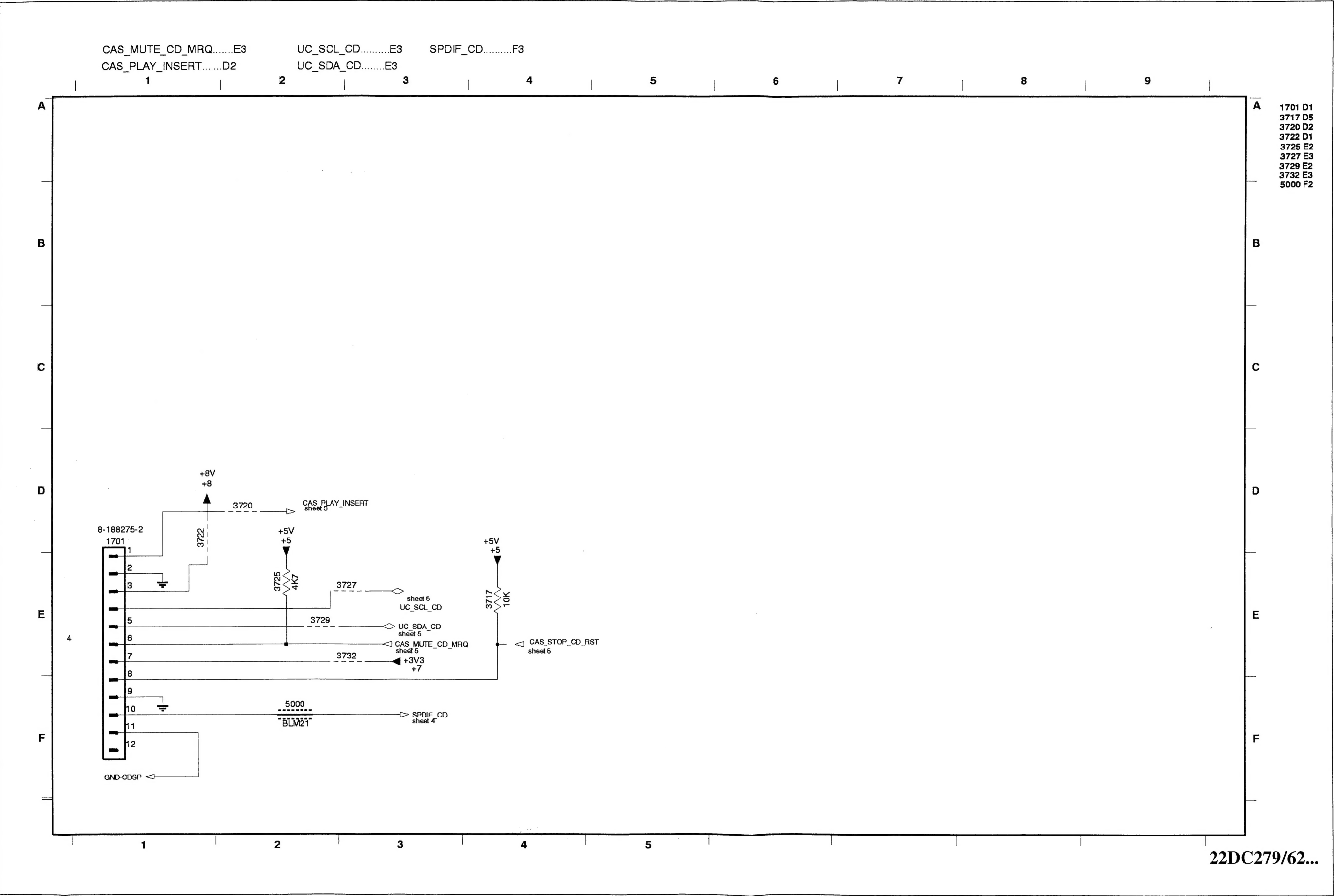
A weighted filter, track 1 versus track 49 of disk 1	
Compression Off	S / N > 80dB
Compression On (default 1)	S / N > 70dB

POWER AMPLIFIER PART

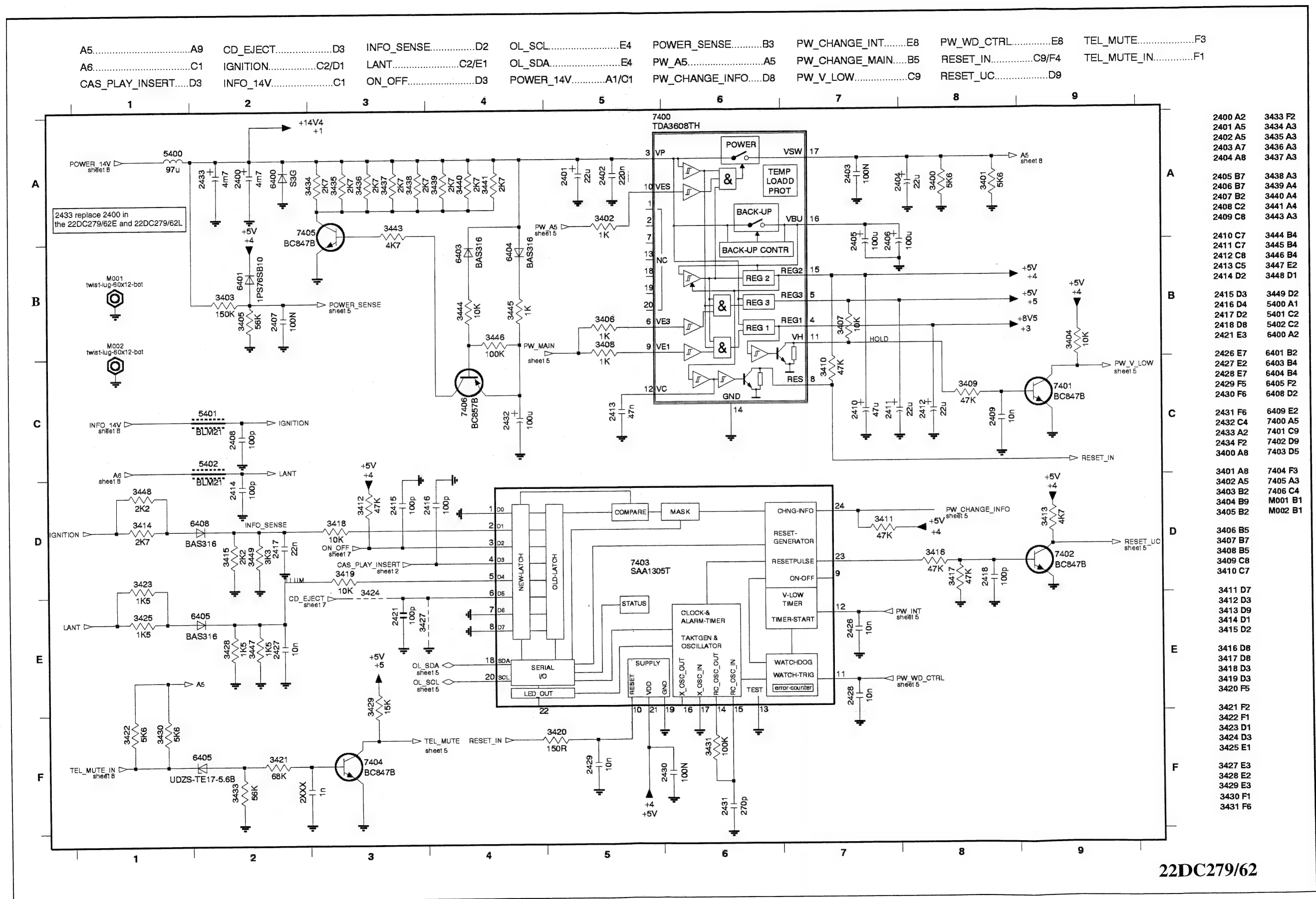


22DC279/62...

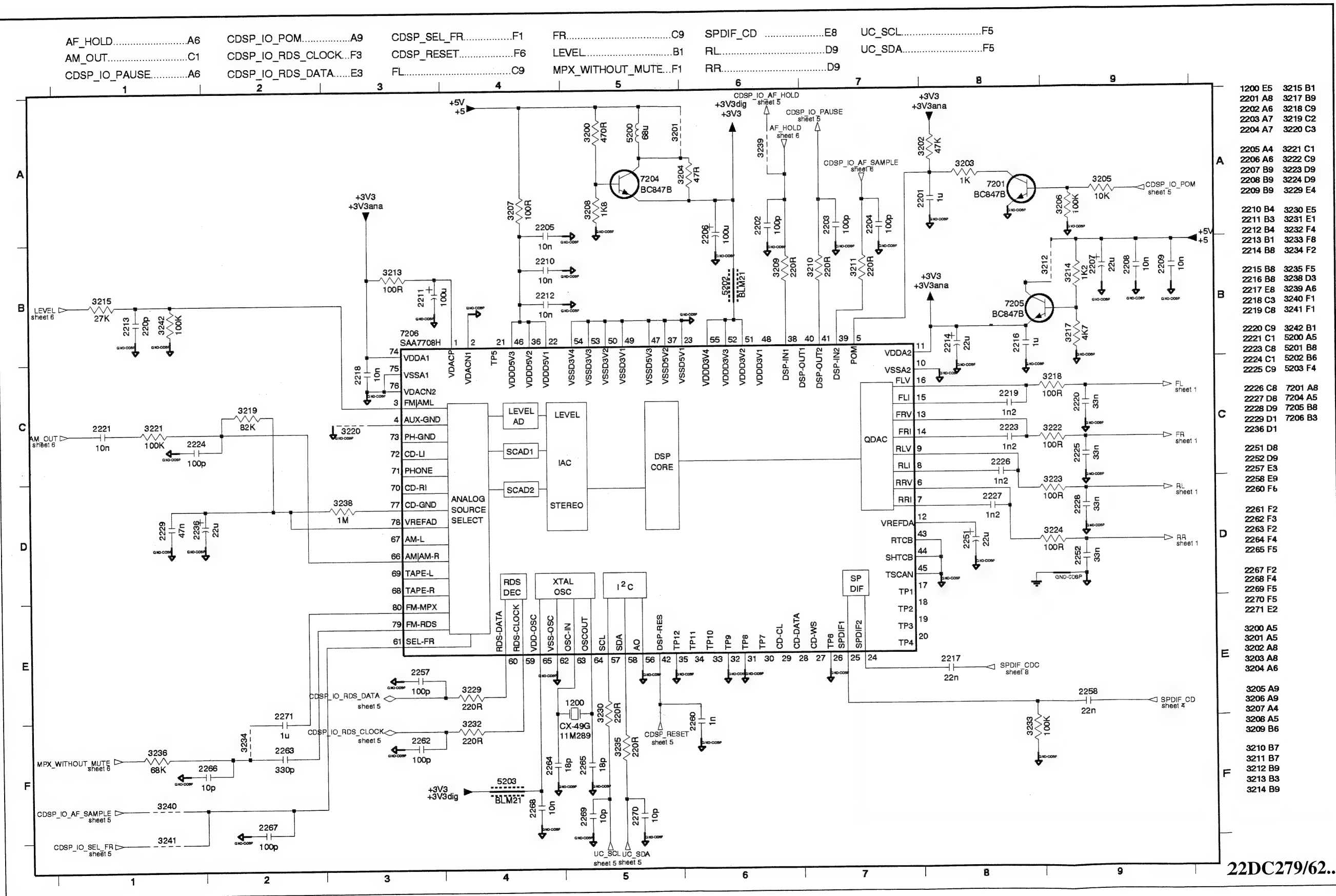
CD PART



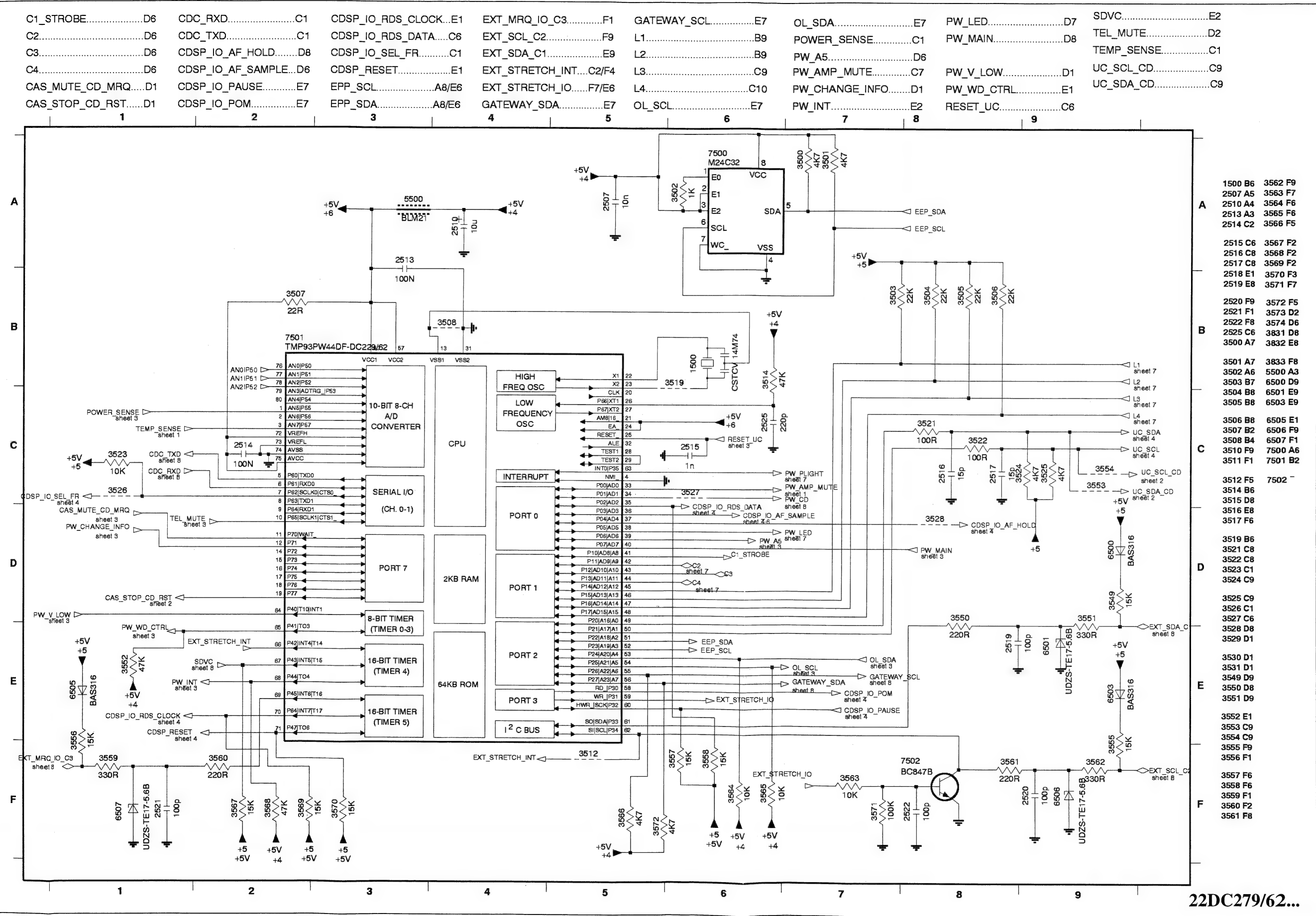
POWER SUPPLY PART



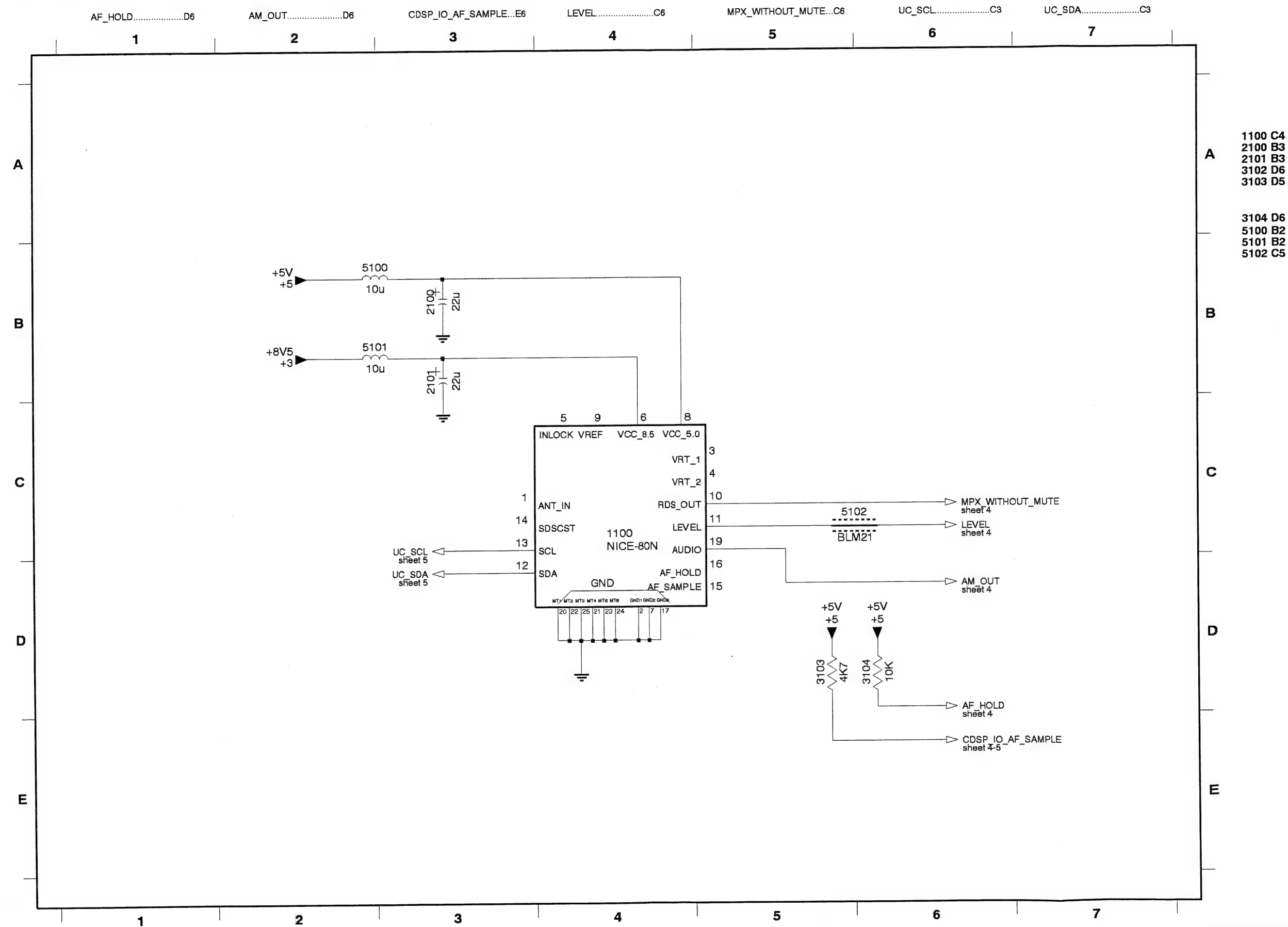
SOUND PROCESS PART



MICROCONTROLLER PART



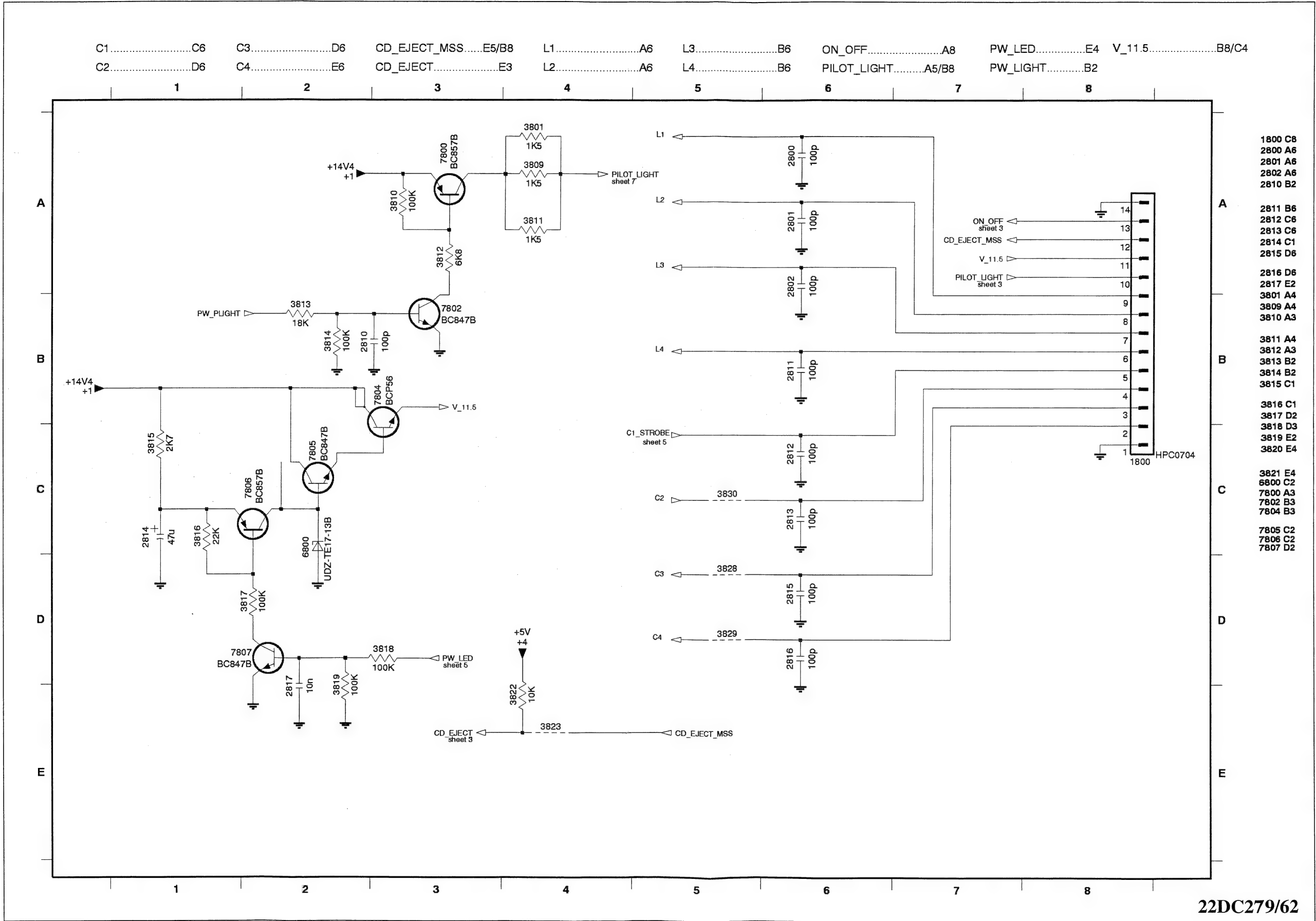
TUNER PART



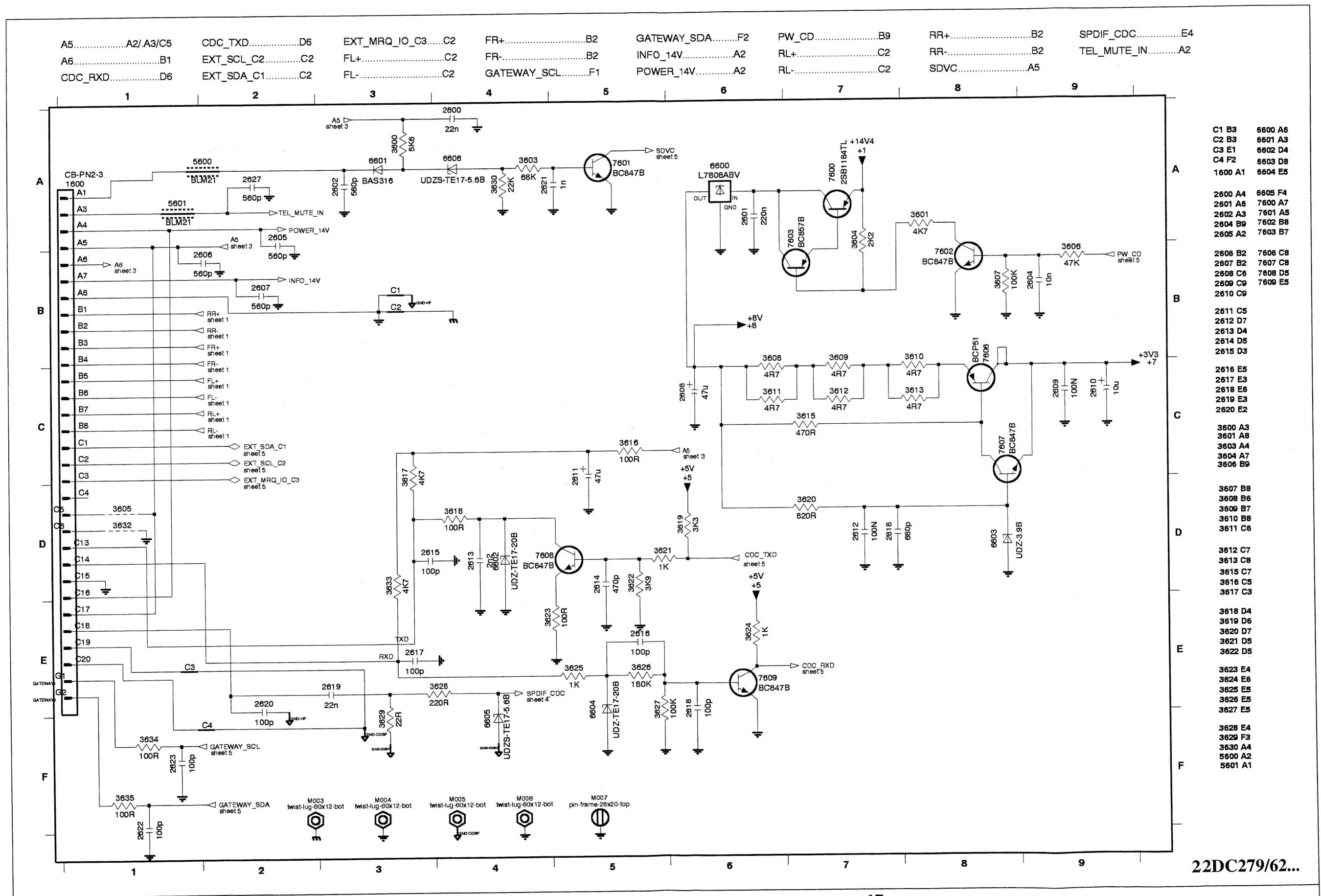
- 1100 C4
- 2100 B3
- 2101 B3
- 3102 D6
- 3103 D5
- 3104 D6
- 5100 B2
- 5101 B2
- 5102 C5

22DC279/62...

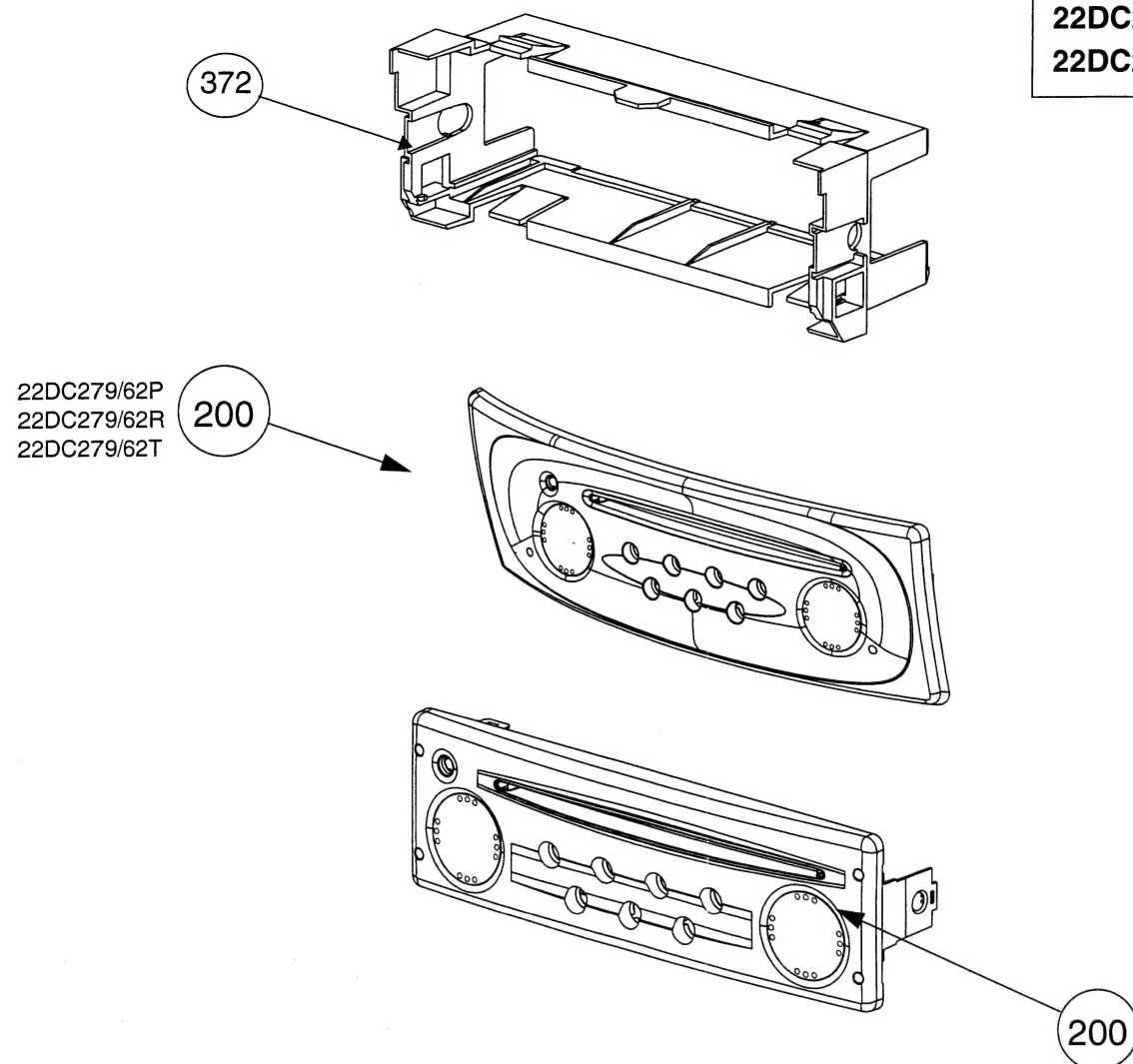
CONNECTION TO FRONT



CONNECTOR BLOCK

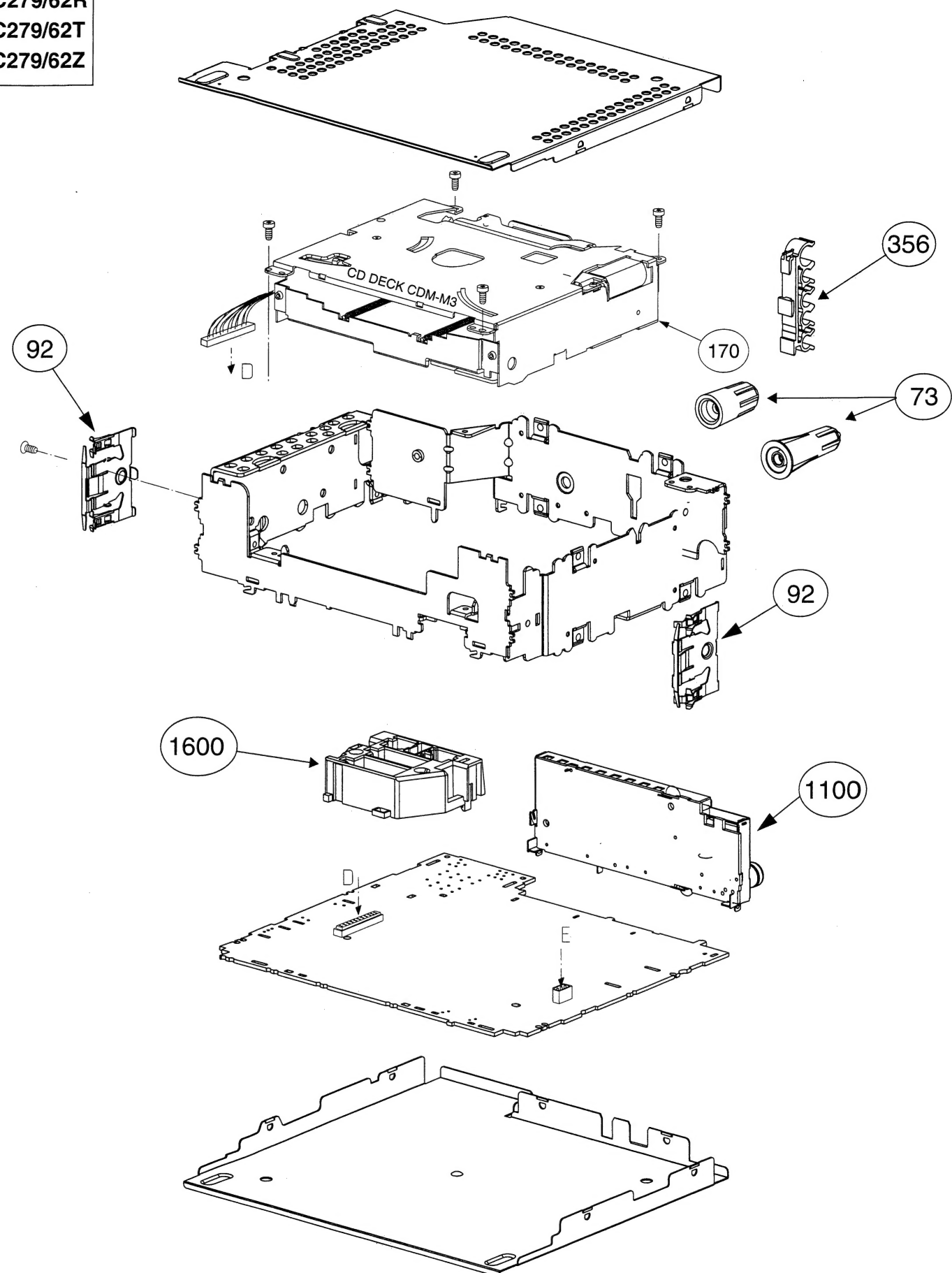


22DC279/62 22DC279/62R
 22DC279/62F 22DC279/62T
 22DC279/62P 22DC279/62Z



22DC279/62
 22DC279/62E
 22DC279/62F
 22DC279/62L
 22DC279/62Z

ITEM	SERVICE CODE	DESCRIPTION	DC279/62	DC279/62E	DC279/62F	DC279/62L	DC279/62P	DC279/62R	DC279/62T	DC279/62Z
73	3111 114 48390	BUFFER MOUNTING	1	1	1	1	1	1	1	1
	3111 114 67400	BUFFER MOUNTING								
92	3111 111 07140	SPRING MOUNTING	2	2	2	2	2	2	2	2
150	3112 358 69641	CD DECK CDM-M3/4.4	1	1	1	1	1	1	1	1
200	3111 118 76180	ORNAMENTAL PLATE ASSY	1							1
	3111 118 77100	ORNAMENTAL PLATE ASSY		1						
	3111 118 76610	ORNAMENTAL PLATE ASSY			1					
	3111 118 76790	ORNAMENTAL PLATE ASSY				1				
	3111 118 76330	ORNAMENTAL PLATE ASSY					1			
	3111 118 76170	ORNAMENTAL PLATE ASSY						1		
	3111 118 76340	ORNAMENTAL PLATE ASSY							1	
	3111 118 76800	ORNAMENTAL PLATE ASSY								1
205	3111 118 76160	DECK BUTTON ASSY	1							
	3111 118 76310	DECK BUTTON ASSY		1						
	3111 118 76320	DECK BUTTON ASSY			1					
	3111 118 76820	DECK BUTTON ASSY					1			
356	3111 114 69273	FASTENING CABLE	1	1	1	1	1	1	1	1
372	3111 114 68970	SLEEVE					1	1	1	



Miscellaneous					
375	3111 115 33980	DIRECTION FOR USE	1500	2422 540 98436	RES CER SM 14M74
1100	3111 117 13180	TUNER NICE 80N	1600	3111 117 13190	CONNECTOR BLOCK
1200	2422 543 01057	RES XTL SM 11M289			
-II-					
2100	2020 024 90556	22μF 20% 25V	2311	4822 126 14585	100nF 10% X7R 0805 50V
2101	2020 024 90556	22μF 20% 25V	2312	4822 126 14585	100nF 10% X7R 0805 50V
2201	4822 126 14043	1μF +80-20% Y5V 16V	2313	5322 122 32531	100pF 5%NP0 50V
2202	5322 122 32531	100pF 5% NP0 50V	2314	4822 126 14043	1μF +80-20% Y5V 16V
2203	5322 122 32531	100pF 5% NP0 50V	2316	4822 126 14585	100nF 10% X7R 0805 50V
2204	5322 122 32531	100pF 5% NP0 50V	2317	2222 580 15623	1nF 10% X7R 50V 0805
2205	5322 122 34098	10nF10% X7R 63V	2318	5322 126 10223	4,7nF10%X7R 63V
2206	2020 024 90627	100μF 20% 16V	2319	4822 126 14585	100nF 10% X7R 0805 50V
2207	2020 024 90556	22μF 20% 25V	2320	2222 580 15623	1nF 10% X7R 50V 0805
2208	5322 122 34098	10nF 10% X7R 63V	2321	5322 126 10223	4,7nF10%X7R 63V
2209	5322 122 34098	10nF 10% X7R 63V	2322	4822 126 14585	100nF 10% X7R 0805 50V
2210	5322 122 34098	10nF 10% X7R 63V	2323	4822 126 14585	100nF 10% X7R 0805 50V
2211	2020 024 90627	100μF 20% 16V	2324	4822 126 14585	100nF 10% X7R 0805 50V
2212	5322 122 34098	10nF 10% X7R 63V	2325	5322 126 10223	4,7nF10%X7R 63V
2213	4822 122 33575	220pF 5% NP0 63V	2326	4822 126 14585	100nF 10% X7R 0805 50V
2214	2020 024 90556	22μF 20% 25V	2327	5322 126 10223	4,7nF10%X7R 63V
2216	4822 126 14043	1μF +80-20% Y5V 16V	2328	4822 126 14585	100nF 50V-> 62/F/P/R/T/Z
2217	5322 122 32654	22nF 0805 X7R 63V 10%	2328	2222 780 15654	220nF 16V -> /62E and /62L
2218	5322 122 34098	10nF10%X7R 63V	2329	2222 580 15623	1nF 10% X7R 50V 0805
2219	2222 580 15624	1N2 0805 X7R 50V 10%	2330	5322 126 10223	4,7nF10%X7R 63V
2220	4822 126 12105	33nF 0805 X7R 50V PM5	2331	4822 124 41842	47μF
2221	5322 122 34098	10nF10%X7R 63V	2332	2222 580 15623	1nF 10% X7R 50V 0805
2223	2222 580 15624	1N2 0805 X7R 50V 10%	2333	4822 126 14585	100nF 10% X7R 0805 50V
2224	5322 122 32531	100pF 5%NP0 50V	2334	4822 126 14585	100nF 10% X7R 0805 50V
2225	4822 126 12105	33nF 0805 X7R 50V PM5	2335	2222 78015654	220nF 16V-> /62E and /62L
2226	2222 580 15624	1N20805 X7R 50V 10%	2400	4822 124 12437	4700μF 20% 16V
2227	2222 580 15624	1N2 0805 X7R 50V 10%	2401	2020 024 90556	22μF 20% 25V
2228	4822 126 12105	33nF 0805 X7R 50V PM5	2402	2222 780 15654	220nF 10% X7R 16V 0805
2229	2222 910 15645	47nFN 0805 X7R 25V 10%	2403	4822 126 14585	100nF 10% X7R 0805 50V
2236	2020 024 90556	22μF 20% 25V	2404	2020 024 90556	22μF 20% 25V
2251	2020 024 90556	22μF 20% 25V	2405	2020 024 90627	100μF 20% 16V
2252	4822 126 12105	33nF 0805 X7R 50V PM5	2406	2020 024 90627	100μF 20% 16V
2257	5322 122 32531	100pF 5%NP0 50V	2407	4822 126 14585	100nF 10% X7R 0805 50V
2258	5322 122 32654	22N 0805 X7R 63V 10% R	2408	5322 122 32531	100pF 5%NP0 50V
2259	4822 126 14043	1μF +80-20% Y5V 16V	2409	5322 122 34098	10nF10%X7R 63V
2260	2222 580 15623	1nF 10% X7R 50V 0805	2410	4822 124 41842	47μF
2262	5322 122 32531	100pF 5%NP0 50V	2411	2020 024 90556	22μF 20% 25V
2263	5322 122 31863	330pF 0805 NP0 63V PM5	2412	2020 024 90556	22μF 20% 25V
2264	4822 126 13689	18pF 1% NP0 63V	2413	2222 910 15645	47NF 0805 X7R 25V 10%
2265	4822 126 13689	18pF 1% NP0 63V	2414	5322 122 32531	100pF 5%NP0 50V
2266	5322 122 32448	10pF 5% NP0 63V	2415	5322 122 32531	100pF 5%NP0 50V
2267	5322 122 32531	100pF 5%NP0 50V	2416	5322 122 32531	100pF 5%NP0 50V
2268	5322 122 34098	10nF10%X7R 63V	2417	4822 126 14043	1μF +80-20% Y5V 16V
2269	5322 122 32448	10pF 5% NP0 63V	2418	5322 122 32531	100pF 5%NP0 50V
2270	5322 122 32448	10pF 5% NP0 63V	2421	5322 122 32531	100pF 5%NP0 50V
2300	2222 580 15623	1nF 10% X7R 50V 0805	2426	5322 122 34098	10nF10%X7R 63V
2301	2222 580 15623	1nF 10% X7R 50V 0805	2427	5322 122 34098	10nF10%X7R 63V
2302	4822 126 14585	100nF 10% X7R 0805 50V	2428	5322 122 34098	10nF10%X7R 63V
2303	4822 126 14585	100nF 10% X7R 0805 50V	2429	5322 122 34098	10nF10%X7R 63V
2305	4822 126 14585	100nF 10% X7R 0805 50V	2430	4822 126 14585	100nF 10% X7R 0805 50V
2306	4822 126 14043	1μF +80-20% Y5V 16V	2431	4822 122 33216	270pF 5%NP0 50V
2307	4822 126 14585	100nF 10% X7R 0805 50V	2432	2020 024 90627	100μF 20% 16V
2308	2222 580 15623	1nF 10% X7R 50V 0805	2433	2020 021 91539	6800μF 16V -> /62E and /62L
2309	2222 580 15623	1nF 10% X7R 50V 0805	2507	5322 122 34098	10nF 10%X7R 63V
2310	4822 126 14585	100nF 10% X7R 0805 50V	2510	4822 124 12082	10μF 20% SM 50V

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-II-					
2513	4822 126 14585	100nF 10% X7R 0805 50V	2613	2222 580 15627	2N2 0805 X7R 50V 10% R
2514	4822 126 14585	100nF 10% X7R 0805 50V	2614	5322 122 32268	470P 0805 NP0 63V PM5
2515	2222 580 15623	1nF 10% X7R 50V 0805	2615	5322 122 32531	100pF 5% NP0 50V
2516	4822 126 13486	15pF 2% NP0 63V			
2517	4822 126 13486	15pF 2% NP0 63V	2616	5322 122 32531	100pF 5% NP0 50V
			2617	5322 122 32531	100pF 5% NP0 50V
2519	5322 122 32531	100pF 5%NP0 50V	2618	5322 122 32531	100pF 5% NP0 50V
2520	5322 122 32531	100pF 5%NP0 50V	2619	5322 122 32654	22N 0805 X7R 63V 10% R
2521	5322 122 32531	100pF 5%NP0 50V	2620	5322 122 32531	100pF 5%NP0 50V
2522	5322 122 32531	100pF 5%NP0 50V			
2525	4822 122 33575	220pF 5% NP0 63V	2621	2222 580 15623	1nF 10% X7R 50V 0805
			2800	5322 122 32531	100pF 5%NP0 50V
2600	5322 122 32654	22NF 0805 X7R 63V 10% R	2801	5322 122 32531	100pF 5%NP0 50V
2601	2222 780 15654	220nF 10% X7R 16V 0805	2802	5322 122 32531	100pF 5% NP0 50V
2602	5322 116 80853	560pF 5%NP0 63V	2810	5322 122 32531	100pF 5% NP0 50V
2604	5322 122 34098	10nF10%X7R 63V			
2605	5322 122 32531	100pF 5%NP0 50V	2811	5322 122 32531	100pF 5% NP0 50V
			2812	5322 122 32531	100pF 5% NP0 50V
2606	5322 122 32531	100pF 5%NP0 50V	2813	5322 122 32531	100pF 5% NP0 50V
2607	5322 122 32531	100pF 5%NP0 50V	2814	4822 124 41842	47μF
2608	4822 124 41842	47μF	2815	5322 122 32531	100pF 5% NP0 50V
2609	4822 126 14585	100nF 10% X7R 0805 50V			
2610	4822 124 12082	10μF 20% SM 50V	2816	5322 122 32531	100pF 5% NP0 50V
			2817	5322 122 34098	10nF10% X7R 63V
2611	4822 124 41842	47μF			
2612	4822 126 14585	100nF 10% X7R 0805 50V			
-III-					
3103	4822 051 20472	4K70 5% 0,1W	3241	4822 051 20008	OR00 JUMP. (0805)
3104	4822 117 10833	10K 1% 0,1W	3300	4822 051 20478	4R70 5% 0,1W
3200	4822 051 20471	470R00 5% 0,1W	3301	4822 051 20478	4R70 5% 0,1W
3201	4822 051 20008	OR00 JUMP. (0805)	3302	4822 117 10833	10K 1% 0,1W
3202	4822 117 10834	47K 1% 0,1W	3303	4822 051 20472	4K70 5% 0,1W
3203	4822 051 20102	1K00 5% 0,1W	3305	4822 116 10062	470R 50% 16V PTC 0805
3204	4822 051 20479	47R00 5% 0,1W	3306	4822 117 10833	10K 1% 0,1W
3205	4822 117 10833	10K 1% 0,1W	3307	4822 051 20478	4R70 5% 0,1W
3206	4822 117 10837	100K 1% 0,1W	3308	4822 051 20478	4R70 5% 0,1W
3207	4822 051 20101	100R00 5% 0,1W	3309	4822 051 20008	OR00 JUMP. (0805)
3208	4822 051 20182	1K80 5% 0,1W	3310	4822 117 10833	10K 1% 0,1W
3209	4822 117 11503	220R 1% 0,1W	3311	4822 117 10837	100K 1% 0,1W
3210	4822 117 11503	220R 1% 0,1W	3312	4822 051 20683	68K00 5% 0,1W
3211	4822 117 11503	220R 1% 0,1W	3313	4822 051 20102	1K00 5% 0,1W
3212	4822 051 20008	OR00 JUMP. (0805)	3314	4822 051 20478	4R70 5% 0,1W
3213	4822 051 20101	100R00 5% 0,1W	3315	4822 051 20478	4R70 5% 0,1W
3214	4822 051 20122	1K20 5% 0,1W	3316	4822 051 20102	1K00 5% 0,1W
3215	4822 051 20273	27K00 5% 0,1W	3317	4822 051 20102	1K00 5% 0,1W
3216	4822 117 10837	100K 1% 0,1W	3318	4822 051 20102	1K00 5% 0,1W
3217	4822 051 20472	4K70 5% 0,1W	3319	4822 051 20102	1K -> 62/F/P/R/T/Z
3218	4822 051 20101	100R00 5% 0,1W	3319	4822 117 11504	270R 5% -> /62E and /62L
3219	4822 117 11149	82K 1% 0,1W	3320	4822 051 20478	4R70 5% 0,1W
3220	4822 051 20008	OR00 JUMP. (0805)	3321	4822 051 20478	4R70 5% 0,1W
3221	4822 117 10837	100K 1% 0,1W	3402	4822 051 20102	1K00 5% 0,1W
3222	4822 051 20101	100R00 5% 0,1W	3403	4822 051 20154	150K00 5% 0,1W
3223	4822 051 20101	100R00 5% 0,1W	3404	4822 117 10833	10K 1% 0,1W
3224	4822 051 20101	100R00 5% 0,1W	3405	4822 117 11148	56K 1% 0,1W
3229	4822 117 11503	220R 1% 0,1W	3406	4822 051 20102	1K00 5% 0,1W
3230	4822 117 11503	220R 1% 0,1W	3407	4822 117 10833	10K 1% 0,1W
3232	4822 117 11503	220R 1% 0,1W	3408	4822 051 20102	1K00 5% 0,1W
3234	4822 051 20008	OR00 JUMP. (0805)	3409	4822 117 10834	47K 1% 0,1W
3235	4822 117 11503	220R 1% 0,1W	3410	4822 117 10834	47K 1% 0,1W
3236	4822 051 20683	68K00 5% 0,1W	3411	4822 117 10834	47K 1% 0,1W
3238	4822 051 20105	1M00 5% 0,1W	3412	4822 117 10834	47K 1% 0,1W
3239	4822 051 20008	OR00 JUMP. (0805)	3413	4822 051 20472	4K70 5% 0,1W

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